

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): CORBIN L. CHAMPION et al.

Confirmation No.:

Application No.:

Examiner:

Filing Date:

Group Art Unit:

Title: STORAGE DEVICE HAVING A PROBE TO COOPERATE WITH A STORAGE MEDIUM TO  
PROVIDE A VARIABLE RESISTANCE

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before  
mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:  
☐ Statement under 37 CFR 1.97(e), or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:  
☐ Statement under 37 CFR 1.97(e)(1) or (2), and  
☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the  
pendency of this application, please charge any fees required or credit any overpayment to Deposit  
Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with  
any required copies of patents, publications or other information of which applicant(s) are aware, which  
applicant(s) believe(s) may be material to the examination of this application and for which there may be  
a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications  
and other foreign language information listed on PTO Form 1449, as presently understood by the  
individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the  
attached sheet, or where a foreign language patent is cited in a search report or other action by a  
foreign patent office in a counterpart foreign application, an English language version of the search  
report or action which indicates the degree of relevance found by the foreign office is listed on form PTO  
1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

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Date of Deposit **04/02/2004**

I hereby certify that this is being deposited with the  
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Commissioner for Patents, Alexandria, VA  
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By



Typed Name: Dawn L. Thomas

Respectfully submitted,

**CORBIN L. CHAMPION et al.**

By



**Dan C. Hu**

Attorney/Agent for Applicant(s)  
Reg. No. **40,025**

Date: **04/02/2004**

**PATENT APPLICATION**

Sheet 1 of 1

<p><b>FORM PTO-1449</b></p> <p><b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b></p> <p>(Use several sheets if necessary)</p>	<p>ATTY. DOCKET NO. <b>200312369-1</b></p>	<p>APPLICATION NO.</p>	<p>CONFIRMATION NO.</p>
<p>APPLICANT <b>CORBIN L. CHAMPION et al.</b></p>			
<p>FILING DATE</p>		<p>GROUP</p>	

**REFERENCE DESIGNATION                      U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,473,361	10/29/2002	Chen et al.	
	1B	6,370,107	04/09/2002	Hosaka et al.	
	1C	6,233,206	05/15/2001	Hamann et al.	
	1D	5,345,815	09/13/1994	Albrecht et al.	
	1E	5,856,967	01/05/1999	Mamin et al.	
	1F	5,835,477	11/10/1998	Binnig et al.	
	1G				
	1H				
	1I				
	1J				
	1K				

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L					
	1M					
	1N					
	1O					
	1P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

	1Q	Vettiger and Binnig, Scientific American, "The Nanodrive Project," pp. 47-51, 53 (January 2003).
	1R	
	1S	

EXAMINER

DATE CONSIDERED